

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101533,103
Source: 17608
Date Processed by STIC: 8/21/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/533,03

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleics Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules**, **each n or Xaa can only represent a single residue**. Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences (OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 Skipped Sequences (NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213> Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (*Genus/species*). **<220>-<223> section is required when <213> response is Unknown or is Artificial Sequence**

11 Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/533,103

DATE: 08/21/2006
TIME: 10:18:36

Input Set : F:\3514 115 ST25.txt
Output Set: N:\CRF4\08212006\J533103.raw

3 <110> APPLICANT: National Institutes of Health
 4 Bocharov, Alexander
 5 Baranova, Irina
 6 Csako, Gyorgy
 7 Eggerton, Thomas
 8 Patterson, Amy
 9 Remaley, Alan
 10 Vishnyakova, Tatyana
 12 <120> TITLE OF INVENTION: Scavenger Receptor B1 Targeting for the Treatment of Infection,
 13 Sepsis and Inflammation
 15 <130> FILE REFERENCE: 03514.115-PCT
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/533,103
 C--> 17 <141> CURRENT FILING DATE: 2005-04-28
 17 <150> PRIOR APPLICATION NUMBER: 60/422,105
 18 <151> PRIOR FILING DATE: 2002-10-30
 20 <160> NUMBER OF SEQ ID NOS: 14
 22 <170> SOFTWARE: PatentIn version 3.2
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 21
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Homo sapiens
 29 <400> SEQUENCE: 1
 30 gtttcacca ccatggagaa g 21
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 25
 35 <212> TYPE: DNA
 36 <213> ORGANISM: Homo sapiens 25
 38 <400> SEQUENCE: 2
 39 gttcacacc cttttgatg tcata
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 21
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Homo sapiens
 47 <400> SEQUENCE: 3
 48 ccacccaacg aaggcttctg c 21
 51 <210> SEQ ID NO: 4
 52 <211> LENGTH: 19
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Homo sapiens
 56 <400> SEQUENCE: 4
 57 ctgaatggcc tccttatcc 19
 60 <210> SEQ ID NO: 5
 61 <211> LENGTH: 20

Does Not Comply
Corrected Diskette Needed
(pg. 2-3)

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Input Set : F:\3514 115 ST25.txt
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62 <212> TYPE: DNA
63 <213> ORGANISM: Homo sapiens
65 <400> SEQUENCE: 5
66 caactacaaa gcccttttg 20
69 <210> SEQ ID NO: 6
70 <211> LENGTH: 20
71 <212> TYPE: DNA
72 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 6
75 ctggctgtt ctccatgaag 20
78 <210> SEQ ID NO: 7
79 <211> LENGTH: 18
80 <212> TYPE: DNA
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 7
84 ctgaaagctc tccacacctc
87 <210> SEQ ID NO: 8
88 <211> LENGTH: 18
89 <212> TYPE: DNA
90 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 8
93 gtgtatgtt accatgtt
96 <210> SEQ ID NO: 9
97 <211> LENGTH: 18
98 <212> TYPE: PRT
99 <213> ORGANISM: Synthetic
101 <400> SEQUENCE: 9
103 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
104 1 5 10 15
107 Ala Phe
111 <210> SEQ ID NO: 10
112 <211> LENGTH: 37
113 <212> TYPE: PRT
114 <213> ORGANISM: Synthetic
116 <400> SEQUENCE: 10
118 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
119 1 5 10 15
122 Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
123 20 25 30
126 Leu Lys Glu Ala Phe
127 35
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 37
132 <212> TYPE: PRT
133 <213> ORGANISM: Synthetic
136 <220> FEATURE:
137 <221> NAME/KEY: MISC_FEATURE
138 <222> LOCATION: (1)..(37)
139 <223> OTHER INFORMATION: All residues D-Amino Acid

INVALID
response

INVALID
Response

SAME
error

Per Sequence
rules (2131)
response has
18 to be
either
Artificial
Unknown
or genus/
species.

See item
#10 on

error
summary
sheet.

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Input Set : F:\3514 115 ST25.txt
Output Set: N:\CRF4\08212006\J533103.raw

141 <400> SEQUENCE: 11
143 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
144 1 5 10 15
147 Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
148 20 25 30
151 Leu Lys Glu Ala Phe
152 35
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 37
157 <212> TYPE: PRT
158 <213> ORGANISM: Synthetic
161 <220> FEATURE:
162 <221> NAME/KEY: MISC_FEATURE
163 <222> LOCATION: (1)..(37)
164 <223> OTHER INFORMATION: All Ala residues are D-Amino Acids
166 <400> SEQUENCE: 12
168 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
169 1 5 10 15
172 Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
173 20 25 30
176 Leu Lys Glu Ala Phe
177 35
180 <210> SEQ ID NO: 13
181 <211> LENGTH: 37
182 <212> TYPE: PRT
183 <213> ORGANISM: Synthetic
186 <220> FEATURE:
187 <221> NAME/KEY: MISC_FEATURE
188 <222> LOCATION: (1)..(37)
189 <223> OTHER INFORMATION: All Tyr and Val are D-Amino Acid Residues
191 <400> SEQUENCE: 13
193 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
194 1 5 10 15
197 Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
198 20 25 30
201 Leu Lys Glu Ala Phe
202 35
205 <210> SEQ ID NO: 14
206 <211> LENGTH: 37
207 <212> TYPE: PRT
208 <213> ORGANISM: Synthetic
211 <220> FEATURE:
212 <221> NAME/KEY: MISC_FEATURE
213 <222> LOCATION: (1)..(37)
214 <223> OTHER INFORMATION: All Asp, Lys and Ala are D-Amino Acid Residues
216 <400> SEQUENCE: 14
218 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
219 1 5 10 15
222 Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys

✓ same errors

See item
#10 on
error
summary
sheet.

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Input Set : F:\3514 115 ST25.txt

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223 20 25 30

226 Leu Lys Glu Ala Phe

227 35

VERIFICATION SUMMARY DATE: 08/21/2006
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Input Set : F:\3514 115 ST25.txt
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L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date